United States Environmental Protection Agency
Washington, D.C. 20460

Water Compliance Inspection Report

Section A: National Data System Coding (i.e., PCS)

Transaction Code	NPDES	yr/mo/day	Inspection Type	Inspector	Fac Type
1 N	WAU000599	130212	=	R	3

Remarks

21 ____ 66

Inspection Work Days	Facility Self-Monitoring Evaluation Rating	BI	QA	Reserved
67 10 69	70	71	72	73 74 75 ____ 80

Section B: Facility Data

Name and Location of Facility Inspected *(For industrial users discharging to POTW, also include POTW name and NPDES permit number)*	Entry Time/Date	Permit Effective Date
Marmel Dairy 3418 E Badger Road Everson, WA 98247	10:20AM 02/12/13	N/A
	Exit Time/Date	Permit Expiration Date
	11:35AM 02/12/13	N/A

Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)	Other Facility Data *(e.g., SIC NAICS, and other descriptive information)*
Jesse Jacklin - Operator (b) (6)	112120 Dairy Cattle and Milk Production Unpermitted
Name, Address of Responsible Official/Title/Phone and Fax Number Mark Olson 3418 E Badger Road Everson, WA 98247 (b) (6)	Contacted ☐ Yes ☑ No

Section C: Areas Evaluated During Inspection *(Check only those areas evaluated)*

☐ Permit	☐ Self-Monitoring Program	☐ Pretreatment	☐ MS4
☐ **Records/Reports**	☐ Compliance Schedules	☑ Pollution Prevention	
☑ Facility Site Review	☐ Laboratory	☑ Storm Water	
☐ Effluent/Receiving Waters	☑ Operations & Maintenance	☐ Combined Sewer Overflow	
☐ Flow Measurement	☐ Sludge Handling/Disposal	☐ Sanitary Sewer Overflow	

Section D: Summary of Findings/Comments

(Attach additional sheets of narrative and checklists, including Single Event Violation codes, as necessary)

SEV Codes SEV Description

RECEIVED
FEB 13 2013
Inspection & Enforcement Management Unit (IEMU)

Name(s) and Signature(s) of Inspector(s)	Agency/Office/Phone and Fax Numbers	Date
Jon Klemesrud	EPA R10/OCE/206 553 5068	02/13/13
Dustan Bott	EPA R10/OCE/206 553 5502	02/13/13
Signature of Management Q A Reviewer Kimberly A. Ogle	Agency/Office/Phone and Fax Numbers EPA/R10/OCE/IEMU 3-0955	Date 2/26/13

EPA Form 3560-3 (Rev 1-06) Previous editions are obsolete.

NPDES WAU 000599

IEIS, 2-13-2013 JBrown

INSTRUCTIONS

Section A: National Data System Coding *(i.e., PCS)*

Column 1: Transaction Code: Use N, C, or D for New, Change, or Delete. All inspections will be *new* unless there is an error in the data entered.

Columns 3-11: NPDES Permit No. Enter the facility's NPDES permit number - third character in permit number indicates permit type for U=unpermitted, G=general permit, etc.. *(Use the Remarks columns to record the State permit number, if necessary.)*

Columns 12-17: Inspection Date. Insert the date entry was made into the facility. Use the year/month/day format (e.g., 04/10/01 = October 01, 2004).

Column 18: Inspection Type*. Use one of the codes listed below to describe the type of inspection:

- A Performance Audit
- B Compliance Biomonitoring
- C Compliance Evaluation (non-sampling)
- D Diagnostic
- F Pretreatment (Follow-up)
- G Pretreatment (Audit)
- I Industrial User (IU) Inspection
- J Complaints
- M Multimedia
- N Spill
- O Compliance Evaluation (Oversight)
- P Pretreatment Compliance Inspection
- R Reconnaissance
- S Compliance Sampling
- U IU Inspection with Pretreatment Audit
- X Toxics Inspection
- Z Sludge - Biosolids
- # Combined Sewer Overflow-Sampling
- $ Combined Sewer Overflow-Non-Sampling
- + Sanitary Sewer Overflow-Sampling
- & Sanitary Sewer Overflow-Non-Sampling
- \ CAFO-Sampling
- = CAFO-Non-Sampling
- 2 IU Sampling Inspection
- 3 IU Non-Sampling Inspection
- 4 IU Toxics Inspection
- 5 IU Sampling Inspection with Pretreatment
- 6 IU Non-Sampling Inspection with Pretreatment
- 7 IU Toxics with Pretreatment
- ! Pretreatment Compliance (Oversight)
- @ Follow-up (enforcement)
- { Storm Water-Construction-Sampling
- } Storm Water-Construction-Non-Sampling
- : Storm Water-Non-Construction-Sampling
- ~ Storm Water-Non-Construction-Non-Sampling
- < Storm Water-MS4-Sampling
- - Storm Water-MS4-Non-Sampling
- > Storm Water-MS4-Audit

Column 19: Inspector Code. Use one of the codes listed below to describe the *lead agency* in the inspection.

- A — State (Contractor)
- B ---- EPA (Contractor)
- E — Corps of Engineers
- J — Joint EPA/State Inspectors—EPA Lead
- L ---- Local Health Department (State)
- N — NEIC Inspectors
- O— Other Inspectors, Federal/EPA (Specify in Remarks columns)
- P— Other Inspectors, State (Specify in Remarks columns)
- R — EPA Regional Inspector
- S — State Inspector
- T — Joint State/EPA Inspectors—State lead

Column 20: Facility Type. Use one of the codes below to describe the facility.

- 1 — Municipal. Publicly Owned Treatment Works (POTWs) with 1987 Standard Industrial Code (SIC) 4952.
- 2 — Industrial. Other than municipal, agricultural, and Federal facilities.
- 3 — Agricultural. Facilities classified with 1987 SIC 0111 to 0971.
- 4 — Federal. Facilities identified as Federal by the EPA Regional Office.
- 5 — Oil & Gas. Facilities classified with 1987 SIC 1311 to 1389.

Columns 21-66: Remarks. These columns are reserved for remarks at the discretion of the Region.

Columns 67-69: Inspection Work Days. Estimate the total work effort (to the nearest 0.1 work day), up to 99.9 days, that were used to complete the inspection and submit a QA reviewed report of findings. This estimate includes the accumulative effort of all participating inspectors; any effort for laboratory analyses, testing, and remote sensing; and the billed payroll time for travel and pre and post inspection preparation. This estimate does not require detailed documentation.

Column 70: Facility Evaluation Rating. Use information gathered during the inspection (regardless of inspection type) to evaluate the quality of the facility self-monitoring program. Grade the program using a scale of 1 to 5 with a score of 5 being used for very reliable self-monitoring programs, 3 being satisfactory, and 1 being used for very unreliable programs.

Column 71: Biomonitoring Information. Enter D for static testing. Enter F for flow through testing. Enter N for no biomonitoring.

Column 72: Quality Assurance Data Inspection. Enter Q if the inspection was conducted as followup on quality assurance sample results. Enter N otherwise.

Columns 73-80: These columns are reserved for regionally defined information.

Section B: Facility Data

This section is self-explanatory except for "Other Facility Data," which may include new information not in the permit or PCS (e.g., new outfalls, names of receiving waters, new ownership, other updates to the record, SIC/NAICS Codes, Latitude/Longitude).

Section C: Areas Evaluated During Inspection

Check only those areas evaluated by marking the appropriate box. Use Section D and additional sheets as necessary. Support the findings, as necessary, in a brief narrative report. Use the headings given on the report form (e.g., Permit, Records/Reports) when discussing the areas evaluated during the inspection.

Section D: Summary of Findings/Comments

Briefly summarize the inspection findings. This summary should abstract the pertinent inspection findings, not replace the narrative report. Reference a list of attachments, such as completed checklists taken from the NPDES Compliance Inspection Manuals and pretreatment guidance documents, including effluent data when sampling has been done. Use extra sheets as necessary.

*Footnote: In addition to the inspection types listed above under column 18, a state may continue to use the following wet weather and CAFO inspection types until the state is brought into ICIS-NPDES: K: CAFO, V: SSO, Y: CSO, W: Storm Water 9: MS4. States may also use the new wet weather, CAFO and MS4 inspections types shown in column 18 of this form. The EPA regions are required to use the new wet weather, CAFO, and MS4 inspection types for inspections with an inspection date (DTIN) on or after July 1, 2005.

NPDES
Inspection Report

Marmel Dairy
Everson, WA 98247

Prepared by:

Jon Klemesrud
Environmental Protection Agency, Region 10
Office of Compliance and Enforcement
Inspection and Enforcement Management Unit

Table of Contents

(Unless otherwise noted, all details in this inspection report were obtained from conversations with Jesse Jacklin or from observations during the inspection.

I. Facility Information

Facility Name:	Marmel Dairy
Facility Contact(s):	Jesse Jacklin - Operator
	Mark Olson - Owner Phone: (b) (6)
SIC Code	0241 - Dairy Farms
Facility Location:	3418 E Badger Road Everson, WA 98247
GPS:	N 48.96382 W 122.30285
Mailing Address:	3418 E Badger Road Everson, WA 98247

II. Inspection Information

Inspection Date:	February 12, 2013
Inspectors:	Jon Klemesrud, Inspector EPA Region 10, OCE / IEMU (206) 553-5068
	Dustan Bott, Inspector EPA Region 10, OCE / IEMU (206) 553-5502
Arrival Time:	10:20 AM
Departure Time:	11:35 AM
Weather Condition:	Cloudy

Purpose: The inspection was conducted to document the facility's compliance with the Clean Water Act.

III. Permit Information

This facility is currently not covered under the Washington Concentrated Animal Feeding

Operation (CAFO) National Pollutant Discharge Elimination System (NPDES) and State Waste Discharge General Permit.

IV. Background and Activity

The animals kept at this facility include adult milking cows as well as non-lactating "dry" cows and young stock. The waste generated at this facility is mainly manure and urine deposited in the barn areas. This facility is designed such that the wastes generated are collected, stored and then ultimately land applied on nearby pastures.

Marmel Dairy has confined animals in 3 separate locations. The main facility consists of a barn complex where animals are confined, fed, and maintained. It also includes a milk parlor, a silage storage area, a below ground waste storage tank, a 500,000 gallon above ground storage tank, a waste storage lagoon and adjacent pastures. See Attachment A, Aerial Photo #1.

The second location is located roughly 500ft to the west of the main facility and on the south end of East Badger Road. This is where the dry cows are confined, fed, and maintained. This dry cow facility contains a below ground waste storage tank and adjacent pastures. See Attachment A, Aerial Photo #2.

The third location is a young stock facility referred to as the "north barn" which is located a mile north of the main facility. This facility consists of a barn complex where animals are confined, fed, and maintained. It also includes a small manure pit and adjacent pastures. See Attachment A, Aerial Photo #3.

V. Individuals Present

The inspectors present throughout this inspection included myself and Dustan Bott (EPA). The facility representative present at the time of the inspection was Mr. Jesse Jacklin.

VI. Inspection Entry

This was an unannounced NPDES inspection. Dustan Bott and I arrived at Marmel Dairy at 10:20AM on Tuesday February 12, 2013 to conduct the inspection.

At this time Dustan and I identified ourselves as EPA inspectors and presented our credentials to Mr. Jacklin and gave him a business card. I informed him that the purpose of this visit was to conduct a compliance inspection to determine compliance with the Clean Water Act.

Mr. Jacklin did not deny us access to the facility. He accompanied us throughout the inspection.

VII. Inspection Chronology

Upon arriving at the facility we began the inspection with an opening conference where we discussed the purpose and expectations of the inspection. During this time we also asked Mr. Jacklin a few administrative questions.

We then conducted a facility tour where we inspected all three confinement areas and all waste storage facilities.

We then concluded the inspection with a closing conference where I discussed the one area of concern identified during the inspection.

VIII. Owner and Operator Information

According to Mr. Jacklin he is an operator of the dairy and Mark Olson is the owner.

IX. Number of Animals

According to Mr. Jacklin, Marmel Dairy housed approximately 550 milking cows, 160 dry cows and 50 young stock at the time of inspection.

X. Presence of Vegetation in the Confinement Areas

The confinement areas at this facility consist of barns with concrete floors. I did not see any vegetation in any of the confinement areas.

XI. Length of Animal Confinement

According to Mr. Jacklin animals are currently confined year-round.

XII. Waste Management Process

Waste generated at this facility is mainly from the barns where the animals are confined. The main facility utilizes a flush system for manure management within the barns. The dry cow and north barn floors are scraped to manage manure. This waste is then transferred into the below ground tank, manure pit, above ground storage tank or lagoon and then ultimately land applied. Mr. Jacklin stated that the last land application of manure was in October of 2012.

XIII. Receiving Water

The nearest receiving water to the manure storage areas are unnamed ditches, the nearest is roughly a half mile north of the main facility.

XIV. Areas of Concern

We inspected the facility including the confinement areas and the waste handling systems. No discharge into surface water was observed during the inspection however I identified one area of concern. This area of concern is described as follows:

A. Valve Blowout on the Above Ground Waste Storage Tank: At the time of inspection Mr. Jacklin stated that roughly two weeks prior to the inspection a valve on the facility's above ground storage tank became plugged and caused a minor overflow of the above ground storage tank.

Mr. Jacklin stated that shortly after the overflow, when attempting to fix the valve, the valve failed and liquid waste discharged from the tank at a high rate to the surrounding area. A catch basin located near the tank attempted to capture the overflow but failed due to the quantity and flow rate. A berm was then quickly constructed to contain the flow and also failed.

At the time of inspection it appeared that two weeks prior the manure discharged from the tank and traveled downslope to the north and around the silage storage area before settling in a grassy area and nearby field on the southwest corner of the waste storage lagoon. It appeared the manure had travelled roughly 600ft from the above ground storage tank. See See Attachment B, Photo #1 – Photo #6.

The nearest surface water from the grassy area is an unnamed ditch 700 yards to the north. I did not observe the discharge leaving the grassy area or field at the time of inspection. See Attachment A, Aerial Photo #4.

I informed Mr. Jacklin that I would be identifying the event as an area of concern. Although surface water wasn't close in proximity to the discharge, due to the large quantity of manure that had left the production area, proper steps should be taken to avoid future discharges.

Mr. Jacklin stated that the facility has repaired the valve and are planning to install a bypass line this spring that would allow the manure be routed back to the surge/flush tank to if the issue was to occur again.

XV. Closing Conference

A closing conference was held following the inspection. During the closing conference I discussed the area of concern identified at the time of inspection.

Report Completion Date: 02/25/13

Lead Inspector Signature:

ATTACHMENT A

Aerial Photographs

Aerial Photo #1: Main Dairy Facility

Aerial Photo #2: Dry Cow Facility

Aerial Photo #3: Young Stock Facility

Aerial Photo #4: An aerial photo showing the flow pattern of the discharge identified in this report as an area of concern.

ATTACHMENT B

Photograph Documentation

Photo #1: Photo facing south, showing the above ground waste storage tank. The failed valve location is indicated.

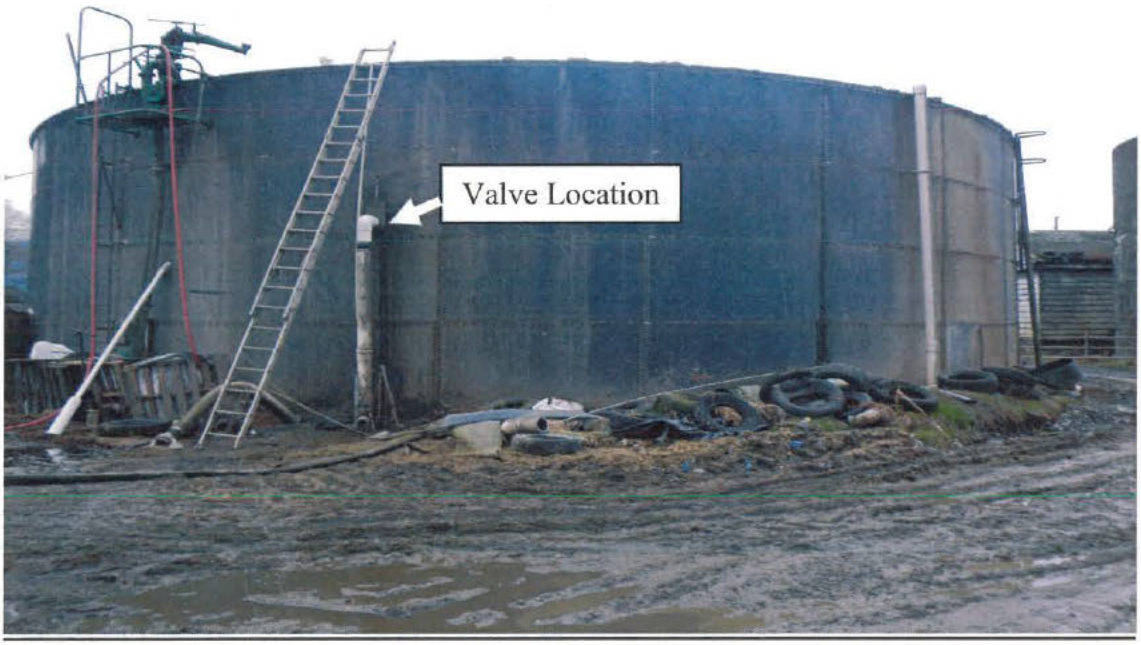

Photo #2: Photo facing south, taken from the northwest corner of the silage storage area showing the flow pattern of the discharge described by Mr. Jacklin.

Photo #3: Photo facing east, taken from the northwest corner of the silage storage area showing the flow pattern of the discharge described by Mr. Jacklin continued from Photo #2.

Photo #4: Photo facing west, taken from the northeast corner of the silage storage area showing the flow pattern of the discharge described by Mr. Jacklin continued from Photo #3.

Photo #5: Photo facing west, taken from the northeast corner of the silage storage area showing the flow pattern of the discharge described by Mr. Jacklin continued from Photo #4.

Photo #6: Photo facing west, taken from the northeast corner of the silage storage area showing the flow pattern of the discharge described by Mr. Jacklin continued from Photo #5.